

DHARMIK RATHOD

Computer Engineering Student | AI Systems & Full-Stack Developer
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PROFILE

Computer Engineering student focused on AI infrastructure and agentic systems. I build and deploy web products, AI tools, and model based systems. My work includes LLM deployment, model routing, databases, full stack development, and AI assisted development.

SKILLS

- **AI / Agentic Systems:** LLMs, RAG, MCP, Prompt Engineering, Model Selection, Inference, Agentic Development, AI Deployment, Hugging Face, Ollama, vLLM, OpenRouter, Groq
- **Web Development:** React, Next.js, JavaScript, HTML, CSS, Git
- **Backend & Data:** Python, FastAPI, SQL, PostgreSQL, Supabase, Database Design, Data Modeling, NumPy, Pandas
- **Programming Foundations:** Java, Python, C, Data Structures & Algorithms, OOP, System Design
- **Other Skills:** First-Principles Problem Solving, SEO, Google Search Console

PROJECTS

Forol – AI Research Lab | Active

LLM Routing, Qwen, Groq, OpenRouter, AI APIs, Deployment

- Built an AI routing layer that connects applications to multiple AI providers. The system uses a self hosted Qwen model on Hugging Face with OpenRouter and Groq as fallback providers.
- Debugged 400 and 405 errors across the routing chain and improved the failover flow while working with free tier infrastructure. ([forol.netlify.app](#))

Digen – AI Diagram Generator | Shipped

Next.js, React, Tailwind CSS, Mermaid.js, OpenRouter

- Built a no signup tool that converts natural language descriptions into Mermaid.js diagrams.
- Designed the prompt flow to convert different user descriptions into valid diagram syntax. ([digen.vercel.app](#))

3D Solar System Portfolio | Shipped

React, Three.js, Vite

- Built an interactive 3D portfolio where planets represent different sections like About, Projects, and Skills.
- Used AI assisted development to take the project from the initial concept to a deployed website. ([dharmikrathod.vercel.app](#))

EDUCATION

Diploma in Computer Engineering — A. V. Parekh Technical Institute, Rajkot CGPA: 8.77 (through 4th semester)	2024 – 2027
SSC (X, GSEB) — Holy Redeemer School, Rajkot Percentage: 87.17%	2023 – 2024

CERTIFICATIONS & ACHIEVEMENTS

- IBM SkillsBuild — Artificial Intelligence Fundamentals; Unleashing the Power of AI Agents (7 courses completed)
- Bharat Cares — AI, Data Science & Agentic Systems (Credly-verified badge)
- Google Cloud Skill Badges